© EPODOC / EPO

PN - JP2001167379 A 20010622
PD - 2001-06-22
PR - JP19990351510 19991210
OPD - 1999-12-10
TI - NUMBER READING AND MATCHING DEVICE
IN - KURODA ETSUJI
PA - MITSUBISHI ELECTRIC CORP
IC - G08G1/017 ; G02B7/08 ; G03B13/36 ; G03B7/093 ; G03B15/05 ; G08G1/04

© WPI / DERWENT

TI - Vehicle reading/comparison device for use in parking areas, adjusts camera lens based on measured distance of vehicle
PR - JP19990351510 19991210
PN - JP2001167379 A 20010622 DW200227 G08G1/017 007pp
PA - (MITQ) MITSUBISHI ELECTRIC CORP
IC - G02B7/08 ;G02B7/28 ;G03B7/093 ;G03B13/36 ;G03B15/05 ;G08G1/017 ;G08G1/04
AB - JP2001167379 NOVELTY - A rangefinder (19) measures the distance of the vehicles. A lens control unit (22) adjusts the lens of a camera (20) based on the measured distance. The camera photographs the number plate of vehicle. Number recognition unit (14) detects the number of photographed number plate. A controller (15) stores the number recognition result in a memory (23) and a comparator (13) compares recognition result with registered number plate information of vehicle and the result is displayed.
- USE - In parking areas for detecting the vehicle numbers of both parked and moving vehicles.
- ADVANTAGE - Even when the distance of the vehicles is varying, the number reading/comparison device can recognize the number of parked vehicles by adjusting the camera lens.
- DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of number reading/comparison device. (Drawing includes non-English language text).
- Comparator 13
- Number recognition unit 14
- Controller 15
- Rangefinder 19
- Camera 20
- Lens control unit 22
- Memory 23
- (Dwg.2/12)
OD - 1999-12-10
AN - 2002-209015 [27]

© PAJ / JPO

PN - JP2001167379 A 20010622
PD - 2001-06-22
AP - JP19990351510 19991210
IN - KURODA ETSUJI
PA - MITSUBISHI ELECTRIC CORP
TI - NUMBER READING AND MATCHING DEVICE
AB - PROBLEM TO BE SOLVED: To obtain a number reading and matching device which can recognize a license number even when the distance to the vehicle is not constant and recognize the license number of a parked vehicle.

- SOLUTION: A picture is taken so that the license plate part of the object vehicle is put in the image pickup field of a camera. A distance measurement part measures the distance to the license plate part. A lens control part controls the zooming and focusing of a lens according to the measured distance and automatically photographs video by the camera again. The photographed video is inputted to a license number recognition part to detect the plate and the characters on the plate, and the results are sent out to a number storage part and also sent out to a license plate matching part, which collates them with previously registered vehicle numbers, so that the matching result is displayed.
- G08G1/017 ;G02B7/08 ;G02B7/28 ;G03B13/36 ;G03B7/093 ;G03B15/05 ;G08G1/04